



Datasheet for ABIN1406223

## anti-GluR1, GluR2 antibody (AA 141-240) (Cy3)



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### 1 Publication

#### Overview

Quantity:	100 µL
Target:	GluR1, GluR2 (GRIA1/2)
Binding Specificity:	AA 141-240
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GluR1, GluR2 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GluR1
Isotype:	IgG
Specificity:	Due to the similarity of this protein to GluR2, there is a chance that this antibody will react with this protein based on homology.
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Horse
Purification:	Purified by Protein A.

## Target Details

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Target:	GluR1, GluR2 (GRIA1/2)
Alternative Name:	GluR1, GluR2 ( <a href="#">GRIA1/2 Products</a> )
Background:	<p>Synonyms: GLUH1, GLUR1, GLURA, GluA1, HBGR1, Glutamate receptor 1, GluR-1, AMPA-selective glutamate receptor 1, GluR-A, GluR-K1, Glutamate receptor ionotropic, AMPA 1, GRIA1</p> <p>Background: Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.</p>
Gene ID:	2890
UniProt:	<a href="#">P42261</a>

## Application Details

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Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

## Publications

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Product cited in: Guillaud, Dimitrov, Takahashi: "Presynaptic morphology and vesicular composition determine vesicle dynamics in mouse central synapses." in: **eLife**, Vol. 6, (2017) ([PubMed](#)).